A Wall Street Perspective on Generics

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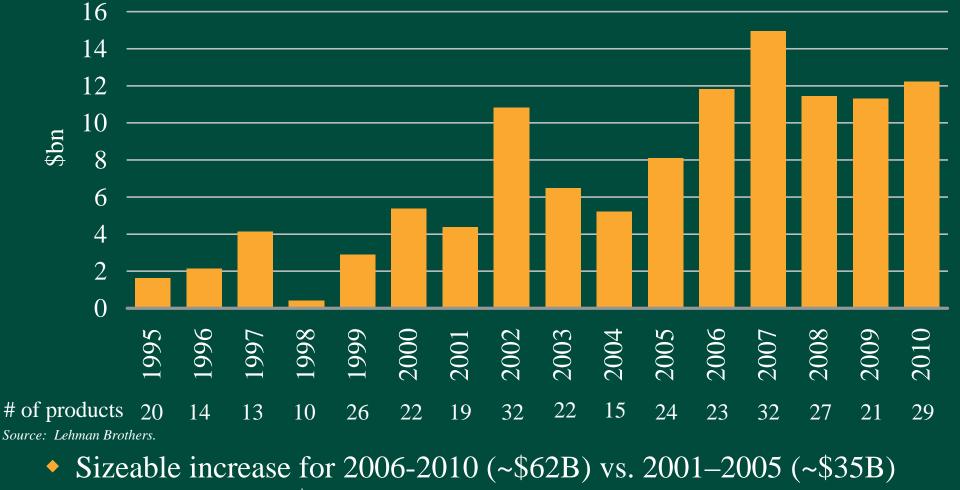
Where vision gets built."

Generic Industry – Key Trends

- Major wave of patent expirations continues
- Industry consolidation
- Relative pricing stability
- Pricing alone no longer sufficient competitive advantage
- More rapid rate of generic penetration in post-Prozac era
- Barriers to entry increasingly difficult to dislodge market leaders
- Increasing generic utilization push from customers i.e. retailers, PBMs, government
- Brand defense strategy remains ongoing challenge

Patent Expirations – Key Growth Driver

Dollar value of all products going off patent 1995–2010



vs. 1996–2000 (~\$15B)

Key Generic Opportunities – Outlook Remains Robust

2006			2007			2008		
Products	Sales (\$M)	Generic	Products	Sales (\$M)	Generic	Products	Sales (\$M)	Generic
Pravachol	\$1,310	TEVA, WPI	Wellbutrin XL 300mg	\$1,000	Anchen, IPXL/TEVA	Zyrtec/D *	\$1,640	Unidentified P4 filer (Mar-05/Jun-04)
Zocor	\$3,200	TEVA, Dr. Reddy's	Zofran ODT*	\$275	PRX/BRL	Dekapote ER	\$930	MYL
Zoloft	\$2,580	TEVA, Greenstone	Norvasc	\$2,120	MYL, Greenstone	Camptosar	\$530	WPI, Greenstone
Proscar	\$400	TEVA, Dr. Reddy's	Lortrel	\$1,500	TEVA, Sandoz	Fosamax weekly	\$1,950	TEVA & BRL
Flonase	\$740	Roxane, PRX	Toprol XL 50mg	\$600	WPI/Sandoz, PRX	Requip	\$200	TEVA
Ditropan XL	\$380	MYL, IPXL/TEVA	Toprol XL 100&200m	\$800	KV Pharma, PRX	Effexor XR	\$2,450	TEVA
Actiq	\$450	BRL	Coreg	\$1,310	TEVA	Wellbutrin XL 150n	\$800	Anchen, IPXL/TEVA
Toprol XL 25m	\$300	Sandoz, PRX	Skelaxin	\$400	Sandoz, PRX	Risperdal	\$2,420	MYL & Dr. Reddy's (both claim FTF status)
			Concerta	\$800	IPXL/TEVA, WPI	Lamictal	\$1,700	TEVA
			Allegra D	\$340	BRL	Kytril	\$160	TEVA
			Lovenox	\$1,620	Amphastar/WPI,	Altace	\$720	Cobalt
					TEVA	Cosopt / Trusopt	\$400	Hi-Tech & Apotex (pot. shared exclusivity)
						Imitrex	\$800	Dr Reddy's
						Prograf	\$540	No PIV filer, no tentative approvals
Total:	\$9,360		Total:	\$10,765		Total:	\$15,240	
			* Dec 2006 generic	launch		* Dec 2007 gener	ic laun <u>ch</u>	

Sources: Lehman Brothers, company reports, FDA website, IMS.

* Dec 2007 generic launch Note: P4 stands for Paragraph 4

• Key generic opportunities = meaningful benefit to few generic companies as a result of limited competition arising from 180-day exclusivity and/or other barriers to entry

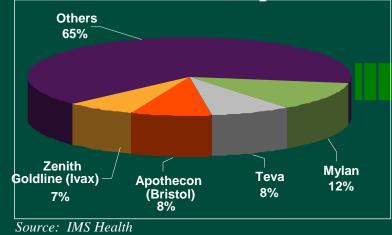
Generic Industry Consolidation

Industry Consolidation

<u>Major Generic M</u>	lergers 1994 – 2	.007
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- 1994 Ivax Zenith
- 1996 Teva Biocraft
- 1997 Watson Royce
- 1998 Watson Rugby
- 1999 Teva Copley
- 2000 Watson Schein
- 2001 Teva Novopharm, Alpharma Faulding
- 2004 Teva Sicor
- 2005 Sandoz Eon Labs, Teva Ivax
- 2006 Watson Andrx, Barr Pliva
- 2007 Mylan Matrix 72% stake & Merck Generics (pending), Sun Pharma – Taro Pharma (pending)

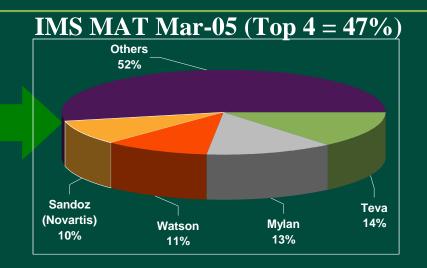
IMS MAT Jun-97 (Top 4 = 35\%)



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Notable Brand Company Exits From Generic Business 1994 – 2002

Merck Syntex Warner Lambert Aventis American Cyanamid (merged with AHP) Bristol-Myers Squibb Wyeth



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Generic Industry – Pricing Environment

Negatives

- Increasing competition on older products
- Fewer opportunities to raise prices
- Positives
 - Over last 10+ years, relative pricing stability from industry consolidation
 - Remaining competitors more rational
 - Going forward, large volume increases should lessen pricing pressure on base products – evidence during last 6-8 months?

Generic Industry – Accelerating Rate of Generic Penetration

- Successful generic substitution today 80% conversion within 4-6 weeks, compared to 60% within 6-8 months just a few years ago
- Drivers of rapid penetration include:
 - HMO/PBM tiered co-pays and widening gap between tiers
 - Drug retailers' increased focus on aggressive generic substitution with higher profitability a key factor

Third Party Prescription	Branded	Generic
AWP for a branded drug and MAC for a generic	\$60.0	\$20.0
Cost to Retailer to Acquire Drug	AWP - 22%	MAC - 50%
	= \$46.8	= \$10.0
Reimbursement to Retailer	AWP – 12%	MAC
	= \$52.8	= \$20.0
Plus Dispensing Fee	+ \$1.75	+ \$1.75
	= \$54.6	= \$21.8
Gross Profit Dollars	\$7.8	\$11.8
Gross Margin (including dispensing fee)	14.2%	54.0%
Dispensing cost (O&A)	\$7.26	\$7.26
Operating Income	\$0.49	\$4.49
Operating Margins	0.9%	20.6%
Source: Lehman Brothers.		

<u>Retail Profitability – Brand vs. Generic Drugs</u>

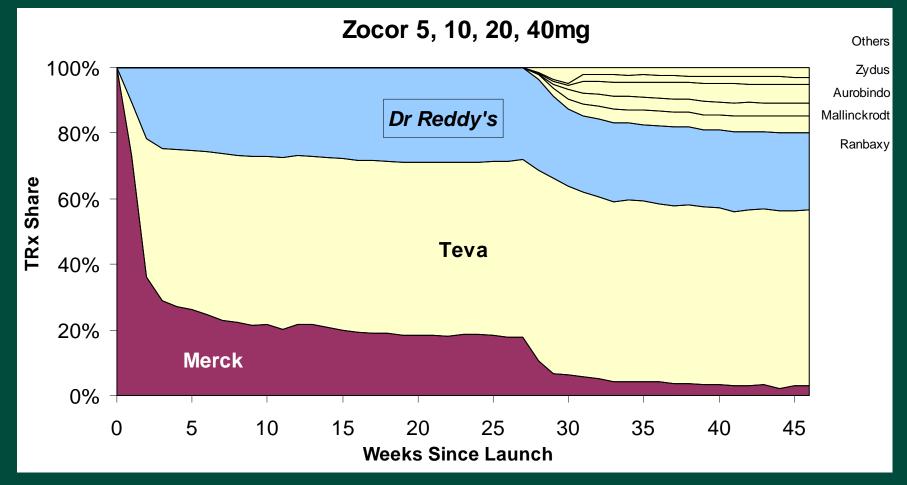
Generic Industry – Competitive Advantages: New Product Development

- API sourcing
 - Consistent, early and reliable access to raw materials
 - Non-infringing APIs
- Legal acumen
 - Evaluate IP estate of new products early in selection process
- Scientific know-how
 - Formulation expertise & technology platform development of non-infringing products
- Regulatory expertise
 - Quality of ANDAs and manufacturing facilities

Generic Industry – Competitive Advantages: Distribution

- Pricing alone no longer sufficient competitive advantage
 - generics competing more rationally
 - lower pricing ultimately does not lead to market share gain
- Sustainable competitive advantages ensure customers will have uninterrupted supply of products when needed
 - consistent & reliable customer service
 - capacity to meet demand
 - breadth & quality of product portfolio
 - depth & breadth of ANDA pipeline
 - speed to market on new products
- Balance between pricing strategy and market share goal
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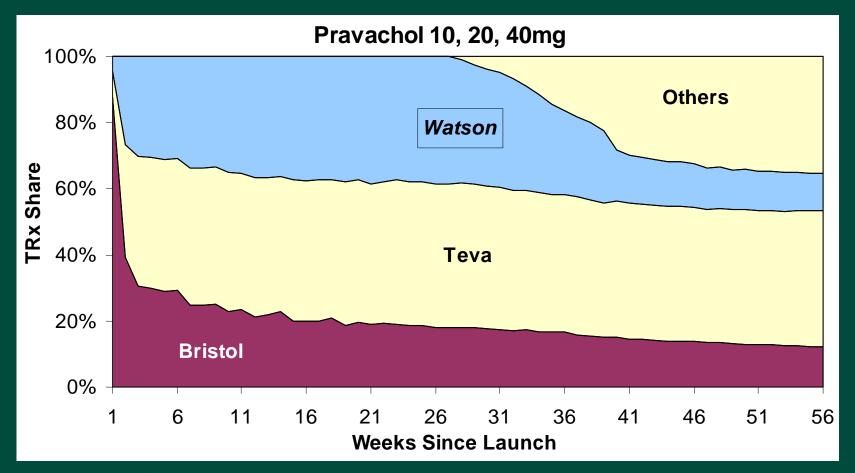
Generic Industry – Competitive Advantages: Distribution



Source: IMS Health. First generics launched in June 2006.

brand	ANDA generics	authorized generic or brand generic

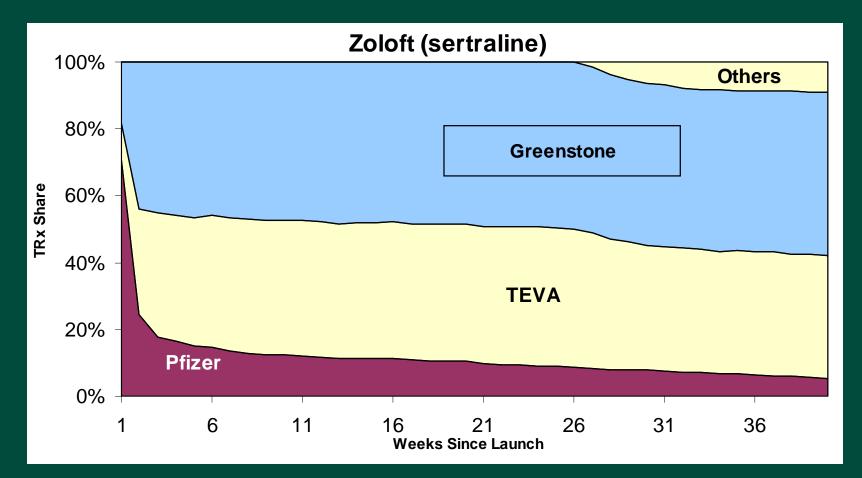
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Generic Industry – Competitive Advantages: Distribution



Source: IMS Health. First generics launched in August 2006.

brand ANDA generics authorized generic or brand generic

- Patent litigation
- Citizen petitions
- Authorized generics
- Reformulations ahead of patent expiry

Patent Litigation

• Number of Orange Book-listed patents have increased significantly from average of 2 per drug to average of 10 per drug in the last 10 years

Patent Type	Key Claims / Orange Book	Patent Challenge
Composition	 Drug substance and molecular 	Strongest – virtually impossible
of matter	structure	to non-infringe and very difficult
	Orange Book listing	to invalidate
Formulation	Physical composition or delivery	 Invalidity (grounds of
	mechanism	obviousness) or non-infringement
	Orange Book listing	
Process	 Procedure for making drug 	 Invalidity (grounds of
	 Typically not Orange Book listed 	obviousness) or non-infringement
	but claims included in other patents	
Use	 Treatment of specific diseases 	 Relatively weak form of patent –
	Orange Book listing	invalid or non-infringement

Source: Lehman Brothers.

• Questionable patents include metabolite, polymorph, product-by-process, drug intermediates, and any that does not claim FDA-approved use

Citizen Petitions

- Formal protests to the FDA in an attempt to prevent or delay approval of competing products, new or generic
- Commonly cite violations in FDA requirements, policy or procedures
- Can be very effective blocking tactics
- FDA required to carefully consider petitions
- Petition backlog continues to grow
- Legislative fixes to curb abuses appear unlikely over near-term

Authorized Generics

- Diminished generic benefit of 180-day exclusivity
- Likely here to stay although future legislative fixes remain uncertain
- Lower growth impact reflected in forecasts

Authorized Generic Deals – Past

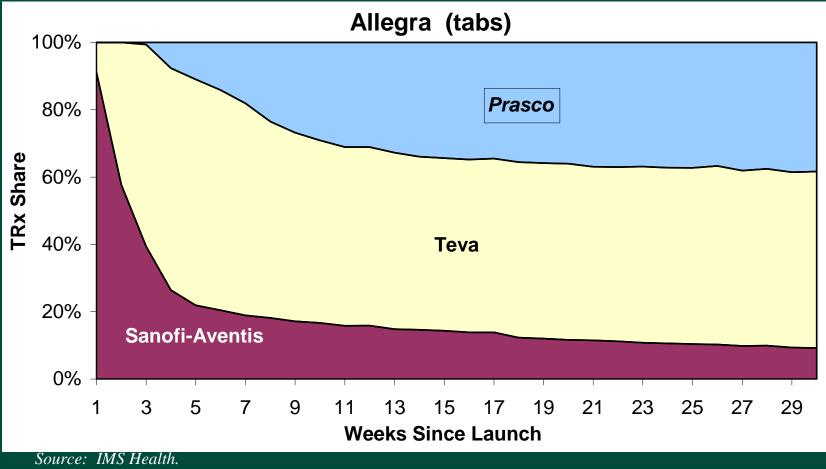
- In the past, typically resulted from innovators and generic companies settling patent litigation
 - Generic company allowed to launch drug manufactured by innovator earlier than on own
 - May limit downside risk to innovator
 - Does not add generic competition since deal is more often with first-to-file generic

Authorized Generic Deals – Present

- Currently, witnessing deals between innovators and generic companies with and without patent litigation
 - Generic company launches with drug manufactured by innovator with timing triggered by first launch of another generic ("true" generic)
 - May limit downside risk to innovator
 - Adds a competitor during period that would have been exclusive to one generic (first-to-file)

Authorized Generic Deals – Innovator Perspective

- When might a deal make economic sense for innovator?
 - Expect rapid generic penetration by first generic to market
 - Envision modest competition post 180-day exclusivity
 - Manufacturing facilities require support (coverage of fixed costs)
 - Brand positioning and life cycle management



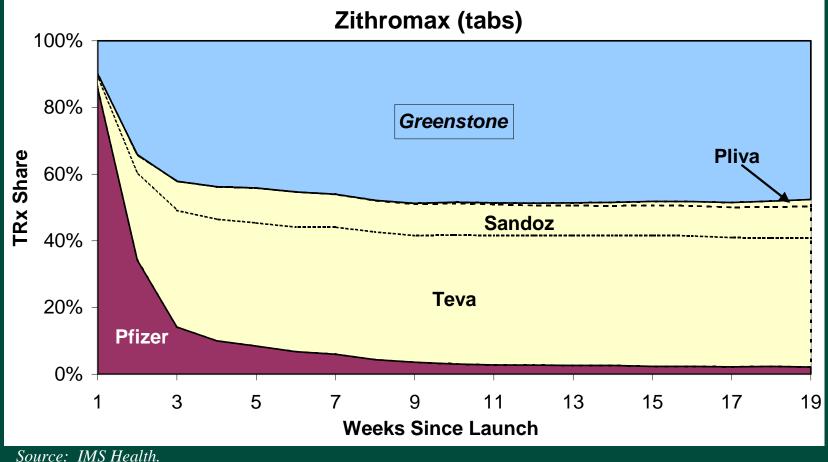
First generics launched in September 2005.

ANDA generic

authorized generic or brand generic

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brand



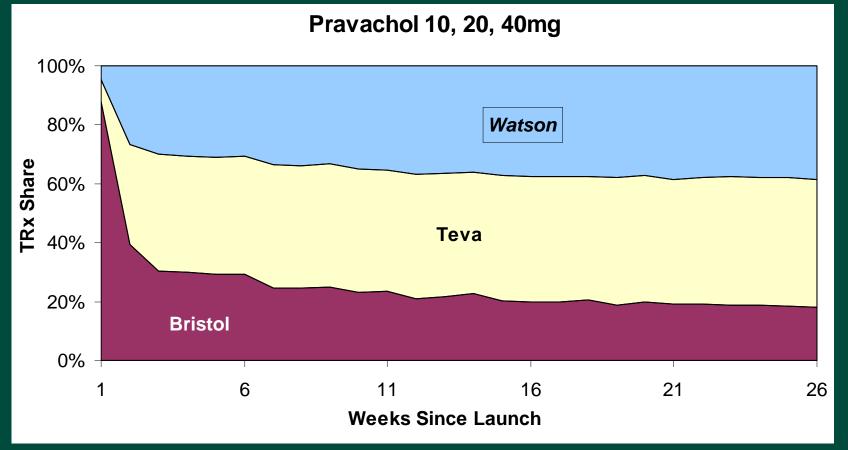
First generics launched in December 2005.

ANDA generic

authorized generic or brand generic

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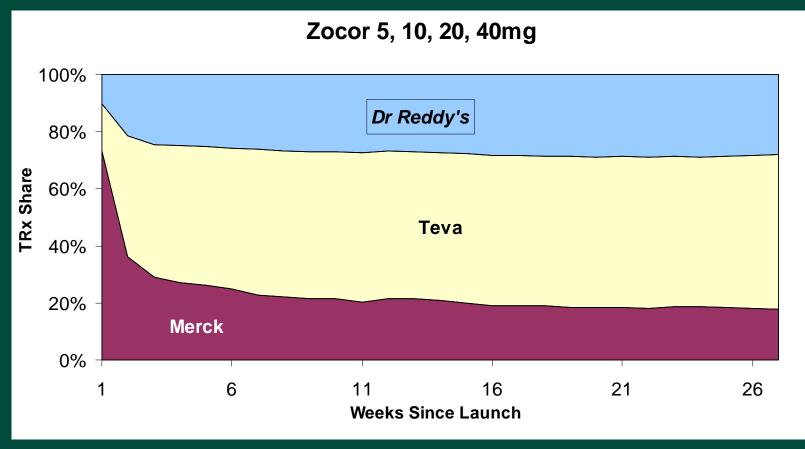
brand



Source: IMS Health. First generics launched in April 2006.

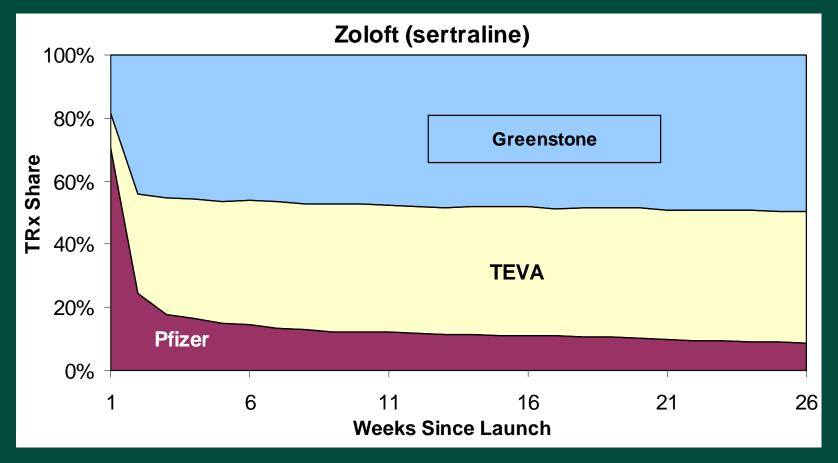
 brand
 ANDA generic
 authorized generic or brand generic

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Source: IMS Health. First generics launched in June 2006.

ANDA generic authorized generic or brand generic brand LEHMAN BROTHERS



Source: IMS Health. First generics launched in August 2006.

	brand	ANDA generic	authorized generic or brand generic
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Authorized Generics – Our Take-Aways

- Dominant generic players are expected to continue to capture the lion's share of the market
- Generic companies most affected likely to include those with modest distribution capabilities and whose first-to-files represent large percentage of ANDA filings
- Authorized generics launched through subsidiaries of brand companies in absence of broad product line
 - less likely to capture major share
 - could more significantly drive down value though little evidence of this
- Lower growth impact reflected in our forecasts & valuation

At Risk Launches vs. Legal Settlements

Key At-Risk	Launches		Key Settlements				
Generic	Product	Year	Generic	Brand	Product	Year	
Mylan	Prilosec	2003	Mylan	Johnson & Johnson	Ditropan XL	2005	
Apotex	Paxil	2003	Teva	Wyeth	Effexor XR	2005	
Eon	Wellbutrin SR	2004	Teva	GlaxoSmithKline	Lamictal	2005	
Ivax, Teva & Alpharma	Neurontin	2004	Alphapharm	Forest	Lexapro	2005	
Teva & Barr	Allegra	2005	Barr	Kos Pharmaceuticals	Niaspan	2005	
Apotex*	Plavix*	2006	Barr, Teva, Mylan & Ranbaxy	Cephalon	Provigil	2005	
Teva	Lotrel	2007	Cobalt	King Pharmaceuticals	Altace	2006	
			Barr & Impax	Shire	Adderall XR	2006	
			Apotex*	Bristol-Myers & Sanofi*	Plavix*	2006	
			Dr Reddy's	Merck	Propecia	2006	
			Par & Watson	Unimed	Androgel	2006	

* Settlement eventual failure was followed by at-risk launch in August 2006, which was then blocked by a preliminary injunction on 9/1/06. Sources: Lehman Brothers, company reports.

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At Risk Launches vs. Legal Settlements

- Increase driven by more litigation today than earlier period, owing to more patents per drug
- Generics have greater financial resources and legal expertise
- Settlement may have become more attractive, due to authorized generics and the associated diminished value of 180-day exclusivity
- Case-by-case analysis still required to determine outcome
 - Relative strength of each side's case
 - Relative financial & strategic importance of product to each side

Regulatory Outlook – Will Washington Come Through?

- In our view, the generic industry faces best political environment since early 90's
- Key areas receiving significant attention:
 - Generic biologics
 - Citizen petitions
 - Reverse settlements
 - Authorized generics
 - Generic drug FDA user fees
- Democratic control of Congress improves prospects for legislation becoming law
- More of benefit from headlines than significant potential policy change
- We place a 40% probability of at least one type of generic reform being enacted, but must be in 2007

Reformulations To Stay Ahead Of Generics

"Traditional" Drug Delivery

- Extended-release, transdermal patches, etc.
- Protected by three years HW exclusivity and delivery system patents
- Clever generic companies may successfully engineer around patents (e.g. Andrx)

Source: Lehman Brothers.

Newer Approaches to "Reformulation"

- Single isomer, active metabolite, isomer of metabolite
- Protected by three or five years HW exclusivity and possibly composition of matter patents
- Offer greater protection with potential for shorter development timetable

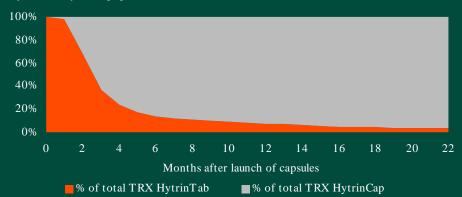
Swing Factors Driving Success of Reformulation Strategies

- Launch date of reformulation relative to generic entry date for parent compound
- Clinical advantages of reformulation
- Nature and promotion sensitivity of drug compound/category
- Pricing

Reformulation Defense Strategies

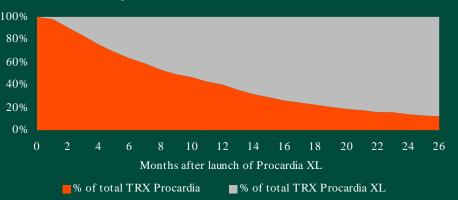
Case Study #1 - Hytrin tablets to capsules

% TRx: Hytrin Tab/Hytrin Cap split

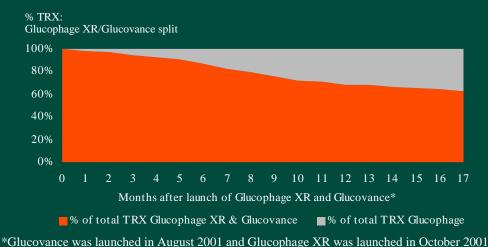


Case Study #2 – Procardia to Procardia XL

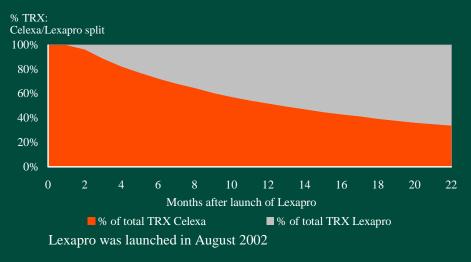
% TRx: Procardia/Procardia XLS split



Case Study #3 – Glucophage XR & Glucovance



Case Study #4 – Celexa to Lexapro

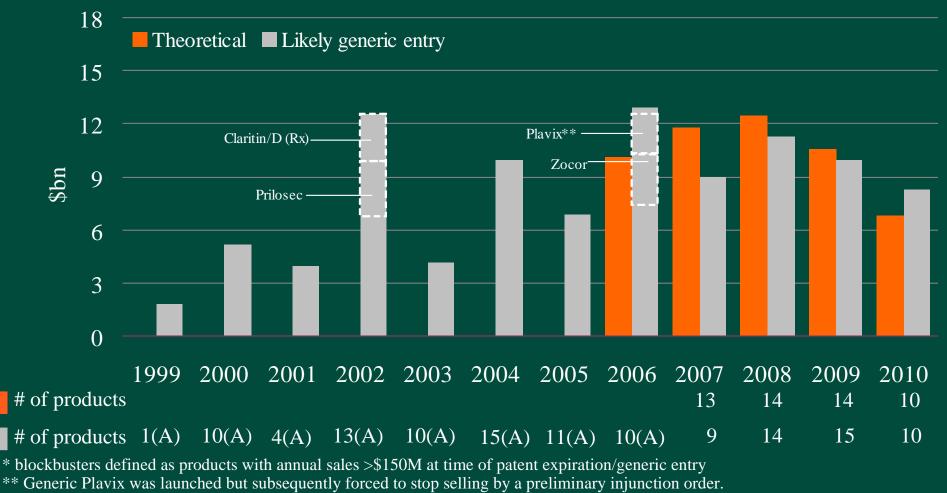


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Source: IMS and Lehman Brothers.

US Patent Expirations – Spring '07 Outlook

Dollar value of blockbuster^{*} products going off patent 1999–2010 ("official"/theoretical dates vs. likely generic entry)



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Source: Lehman Brothers.

Generic Industry – Key Future Trends

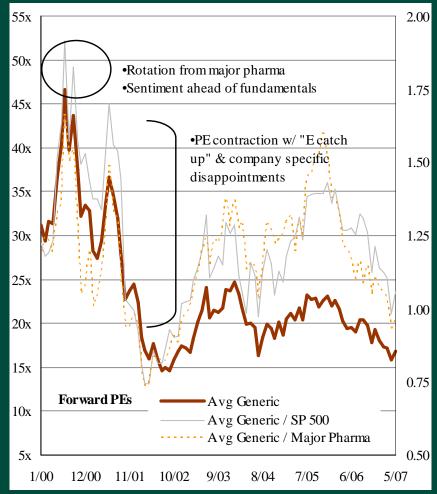
- Large wave of patent expirations should provide attractive opportunities
- Price stability remains in place
- Rapid generic penetration likely to continue
- API sourcing likely to become increasingly important, potentially leading to more strategic alliances or greenfield efforts at backward integration
- Authorized/brand generics likely to diminish profitability for first-to-file generics
- Patent litigation likely to remain active as generic company legal resources and sophistication continue to grow
- Longer-term
 - Consolidation and/or alliances should continue
 - Innovator industry's woes could potentially become generics' problem
 - Generic biologics next potential big opportunity, but we see few with capability to compete

Performance & Valuation – Generic*

Price Performance

400% 350% 300% 250% 200% 150% 100% Generic Index Generic Relative SPX 50% 1/00 12/00 11/01 10/02 9/03 8/04 7/05 5/07 6/06

Historical Valuation



Generic Index includes ADRX, ALO, BRL, IVX, MYL, TARO, TEVA and WPI Source: Facset and Lehman Brothers

Our Investment Approach & Outlook

- Initial premise: "buy & hold" strategy challenging due to generics' inherent limited pipeline visibility
- Evaluation parameters
 - Management strength: long-term strategy; daily execution; communication with investors
 - ANDA pipeline: size relative to base; disclosed products
 - Earnings base & outlook: degree of diversification
- Trading opportunities remain in leveraged plays
- Strong fundamental outlook for industry
- Future forecast stock performance earnings growth with modest multiple expansion

US Generic Pipelines Summary

	ANDAs Pending	Value \$Billions	Number FTF	Value \$Billions
Teva	151	\$90	42	\$35
Ranbaxy	88	56	20	25
Watson	70	53	12	
Dr. Reddy's	69	56	18	
Mylan	62	49	14	11
Barr	60	30		
Par	48	21	8	1-
Abraxis	29	2		
Impax	21	8		

Sources: Lehman Brothers estimates, company reports.

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- 2-Neutral sector coverage universe fundamentals are steady, neither improving nor deteriorating.
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